

Clean Coal Technology

Funding Profile by Subprogram

(dollars in thousands)

	FY 2004 Comparable Appropriation	FY 2005 Comparable Appropriation	FY 2006 Base	FY 2006 Request	FY 2006 Request vs Base	
					\$ Change	% Change
Clean Coal Technology						
Cooperative Agreements...	-98,000	-160,000	0	0	+160,000	+100%
Program Direction	0	0	0	0	0	0%
Total, Clean Coal Technology	-98,000	-160,000	0	0	+160,000	+100%

Mission

The Clean Coal Technology (CCT) program is a government and industry co-funded effort to provide technical and operational data of innovative coal technologies demonstrated at commercial scale. Beginning in 1985, the Department administered five competitive solicitations selecting projects with the potential to satisfy the requirements of the energy markets while improving the environmental performance of coal-based technologies. To date, more than thirty projects have been successfully completed, providing the marketplace with valuable performance experience and data for a variety of applications.

For FY 2004, an appropriation of \$87 million was made available, \$88 million was rescinded, and the availability of \$97 million was deferred to FY 2005. For FY 2005, an appropriation of \$97 million was made available and the availability of \$257 million was deferred to FY 2006.

For FY 2006, the Department proposes to cancel the \$257 million deferral from FY 2005 and redirect these funds to the Fossil Energy R&D program for work on the FutureGen project. Prior year funding exists to meet all outstanding commitments to ongoing projects. Funds for the administration of the program are specifically requested under the Program Direction account.

Benefits

Demonstrating technologies that improve the performance and extend the service of the Nation's reliable coal-based generating capacity is vital for supporting today's economy. The CCT Program is establishing the engineering and scientific foundation for the next generation of clean coal technologies that will be capable of near zero emissions and generation efficiencies twice that of the existing coal fleet.

Detailed Justification

(dollars in thousands)

FY 2004	FY 2005	FY 2006
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(dollars in thousands)

	FY 2004	FY 2005	FY 2006
Clean Coal Technology	-98,000	-160,000	0
▪ Cooperative Agreements	-98,000	-160,000	0
For FY 2006, the Department proposes to cancel the \$257 million deferral from FY 2005. Initiate construction for the Kentucky Pioneer gasification project and prepare final reports for the fuel cell portion of the project at the Wabash River site. <i>Participants include: Kentucky Pioneer Energy, Ltd. with FuelCell Energy and Global Energy.</i>			
For FY 2005, an appropriation of \$97 million was made available and the availability of \$257 million was deferred to FY 2006. Complete permitting and financing activities for the Kentucky Pioneer Gasification project and complete operation of the fuel cell portion of the project at the Wabash River site. Complete testing and reporting for the Clean Coal Diesel project and reporting for the JEA Circulating Fluid Bed Combustor project. <i>Participants include: JEA, Kentucky Pioneer Energy, Ltd. With Fuel Cell Energy and Global Energy, and TIAX.</i>			
For FY 2004, an appropriation of \$87 million was made available, \$88 million was rescinded, and the availability of \$97 million was deferred to FY 2005. Continued permitting and financing activities for the Kentucky Pioneer gasification project and continued construction of the fuel cell portion of the project at the Wabash River site. Completed demonstration phase for the JEA Circulating Fluid Bed Combustor project. Initiated 2-cylinder engine testing using coal slurry for the Clean Coal Diesel project. Completed final reports for the Advanced Coal Conversion project. <i>Participants include: JEA, Kentucky Pioneer Energy, Ltd. With Fuel Cell Energy and Global Energy, Western Syncoal LLC, and TIAX.</i>			
▪ Program Support	0	0	0
Program management and support and program direction activities funded under the Fossil Energy R&D Program Direction account.			
Total, Clean Coal Technology	-98,000	-160,000	0

Explanation of Funding Changes

	FY 2006 vs. FY 2005 (\$000)
Clean Coal Technology	
▪ Request for FY 2006 cancels unneeded balances.....	0
▪ Funding for FY 2005 deferred unneeded balances.....	+160,000
Total Funding Changes, Clean Coal Technology	+160,000